

**ABSTRACT OF THE DISCLOSURE (Revised)**

An acoustic wave sensor for detecting a contact state between an exhaust or an intake valve and a valve seat of a valve train for a vehicle engine. More particularly, an acoustic wave sensor is provided which can detect an acoustic wave generated from the outside through a speaker inserted inside of a manifold and through which a displayer can display a degree of a contact state between the exhaust or the intake valve and the valve seat of valve train for the vehicle engine. With this sensor an operating time can be reduced, an ideal working environment can be created, and an efficient inspection process can be performed due to a simplified inspection process.